

Supplementary data

Comparison of Various Solvent Extracts and Major Bioactive Components from *Portulaca oleracea* for Antioxidant, Anti-tyrosinase, and Anti- α -glucosidase Activities

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Table S1. Retention time, LODs, LOQs, and regression analysis for seven components in *Portulaca oleracea* in reverse-phase HPLC.

| Compounds | T _m (min) ^a | Regression equation | Correlation coefficient | LOD (μg/mL) ^a | LOQ (μg/mL) ^a |
|----------------------------|-----------------------------------|------------------------|-------------------------|--------------------------|--------------------------|
| Rosmarinic acid | 21.9 | $y = 48958x + 3675.1$ | 0.9996 | 0.19 | 0.53 |
| Chlorogenic acid | 23.8 | $y = 45096x - 3594.4$ | 0.9999 | 0.15 | 0.50 |
| <i>p</i> -Coumaric acid | 26.2 | $y = 83338x + 1645.5$ | 0.9993 | 0.20 | 0.63 |
| Caffeic acid | 28.0 | $y = 75513x - 724.3$ | 0.9997 | 0.15 | 0.52 |
| <i>trans</i> -Ferulic acid | 42.1 | $y = 130798x - 7125.5$ | 0.9999 | 0.10 | 0.48 |
| Quercetin | 52.3 | $y = 27262x + 957.4$ | 0.9998 | 0.14 | 0.65 |
| Kaempferol | 63.1 | $y = 29758x + 1079.9$ | 0.9997 | 0.20 | 0.65 |

^a T_m: Retention time; LOD: Limit of detection; LOQ: Limit of quantification

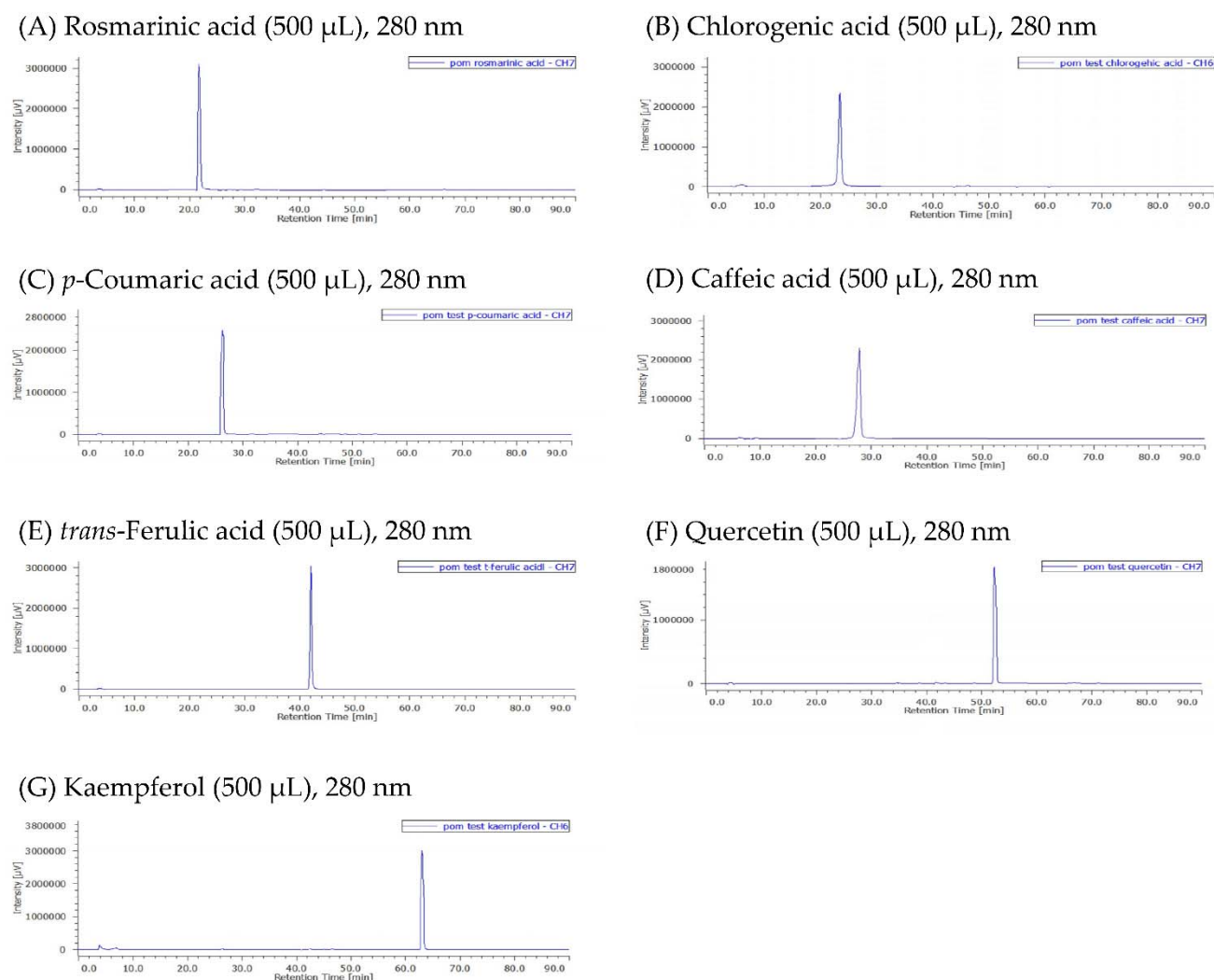


Figure S1. Reverse-phase HPLC chromatogram of isolated compounds (A to G).

Methanol (500 μ L), 280 nm

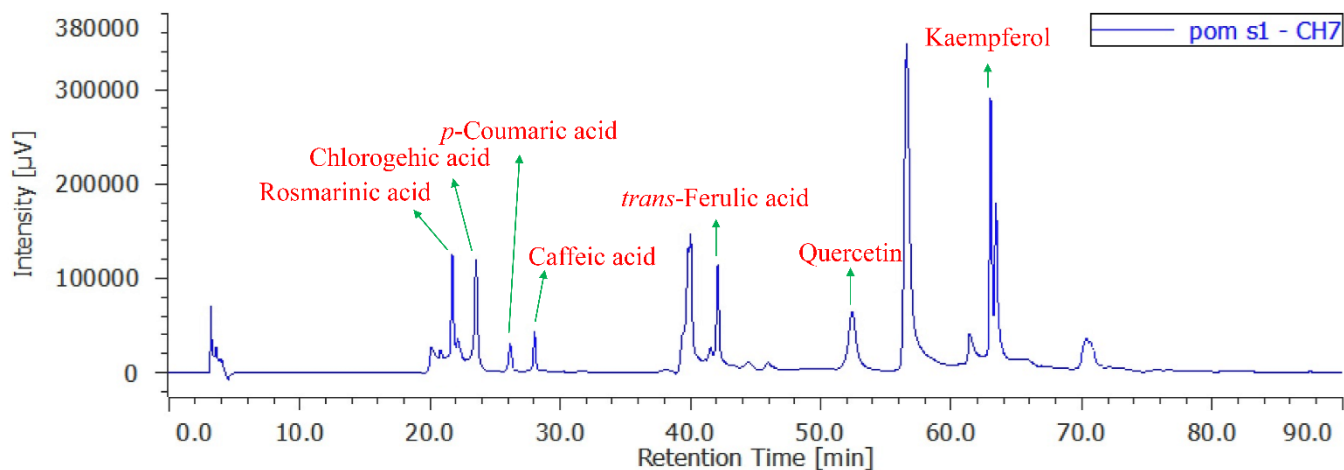


Figure S2. Reverse-phase HPLC chromatogram of methanol extract.

Ethanol (500 μ L), 280 nm

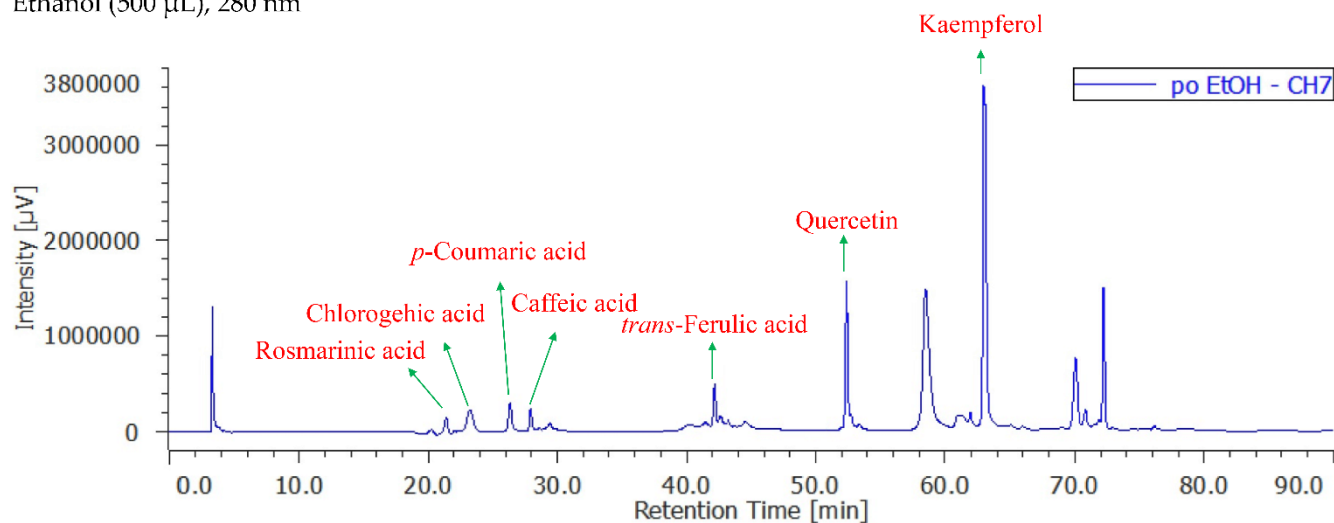


Figure S3. Reverse-phase HPLC chromatogram of ethanol extract.

Acetone (500 μ L), 280 nm

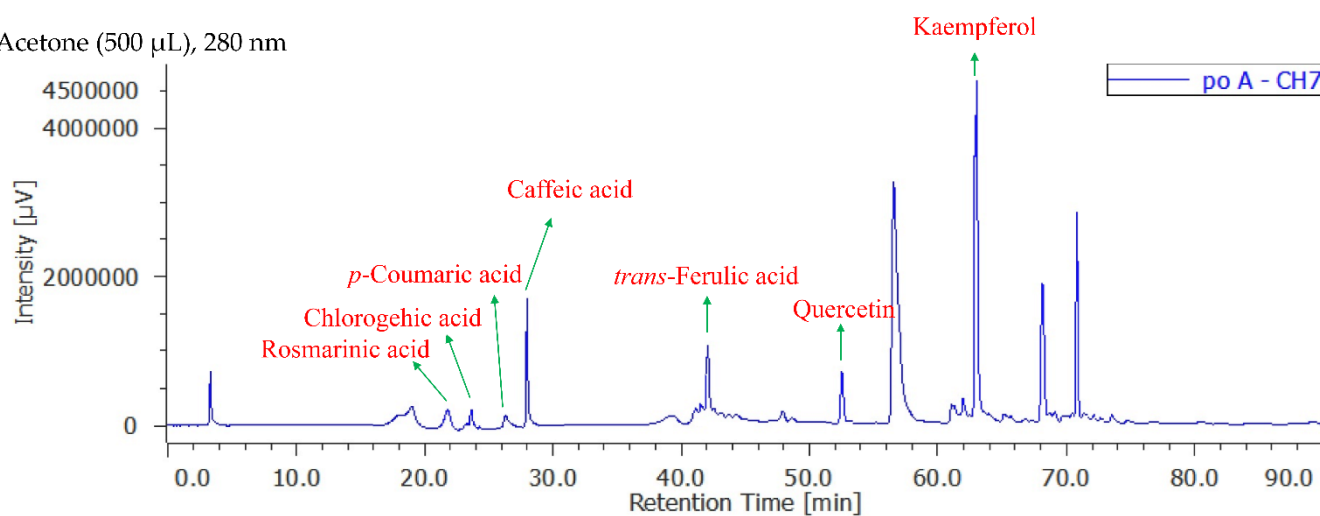


Figure S4. Reverse-phase HPLC chromatogram of acetone extract.

Ethyl acetate (500 μ L), 280 nm

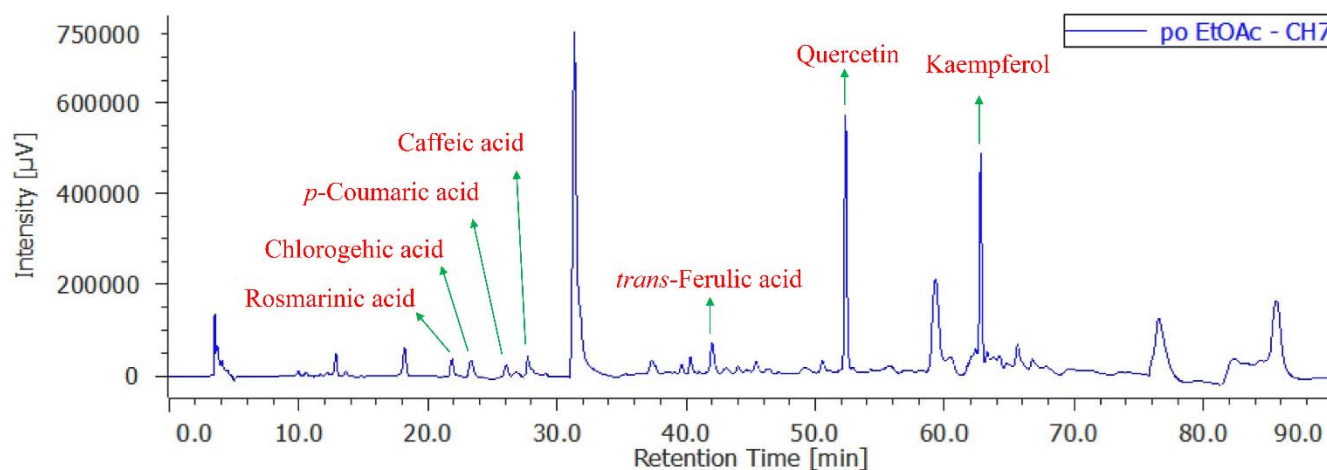


Figure S5. Reverse-phase HPLC chromatogram of ethyl acetate extract.

Chloroform (500 μ L), 280 nm

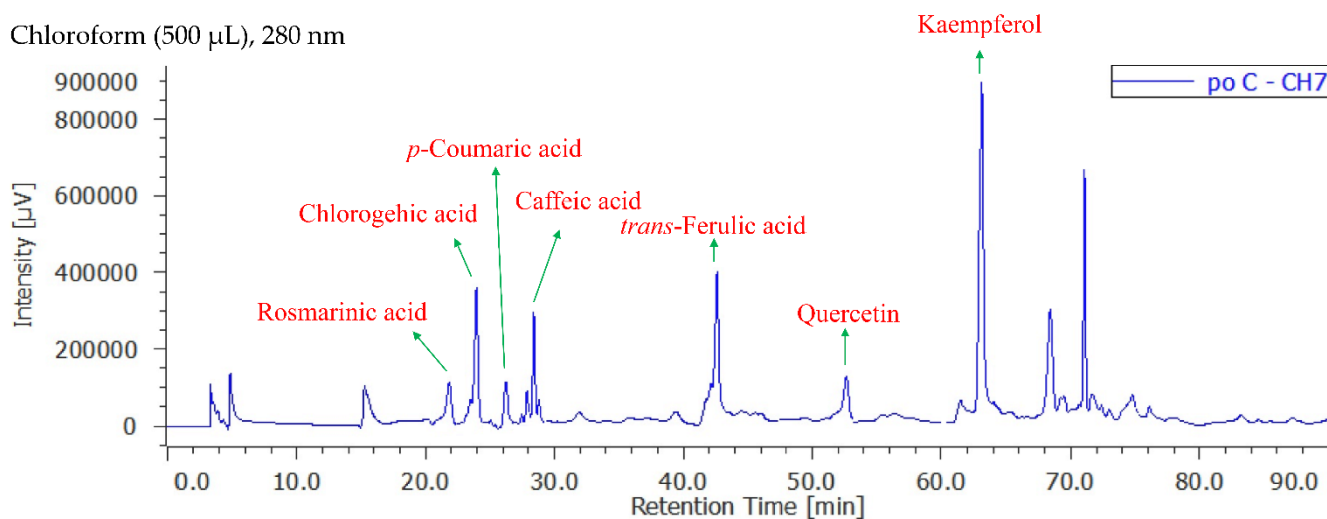


Figure S6. Reverse-phase HPLC chromatogram of dichloromethane extract.

Dichloromethane (500 μ L), 280 nm

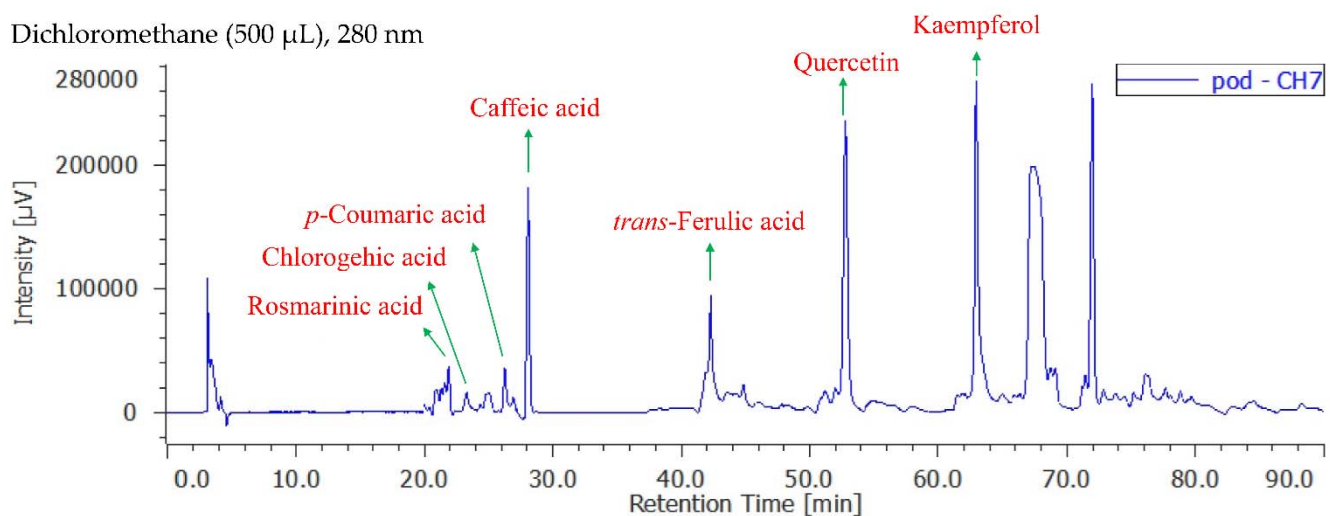


Figure S7. Reverse-phase HPLC chromatogram of chloroform extract.

n-Hexane (500 μ L), 280 nm

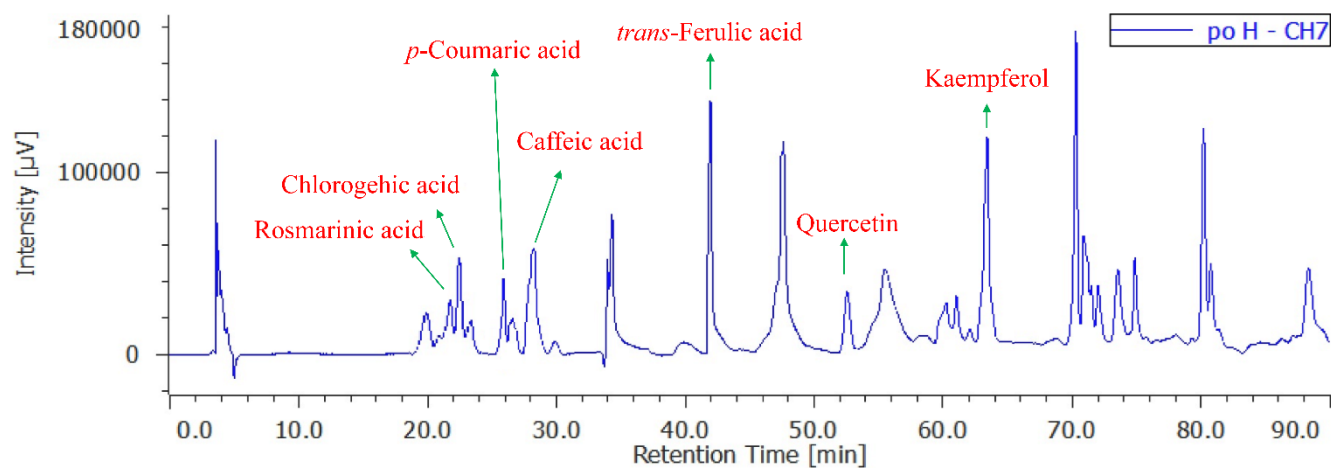


Figure S8. Reverse-phase HPLC chromatogram of *n*-hexane extract.